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Doc # CAI-0508200D1

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In the United States Patent and Trademarks Office

Serial Number: 10/691,031 Date: February 8, 2005  
Filing Date: 10/22/2003  
Applicant(s): Edward Z. Cai  
Appn. Title: Fluid Delivery System for Generating Pressurized Hot Water Pulses  
Group Art Unit: Art Unit 1761

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Madam/Sir:

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.56, 1.97 AND 1.98**

Pursuant to applicant's duty of disclosure required under 37 C.F.R. §§ 1.56, applicant is submitting this information disclosure statement under 37 C.F.R. §§ 1.79 and 1.98 to bring to the attention of the U.S. Patent and Trademark Office the following references listed in Sheets 1/4 to 4/4. The listing of any reference or the submission of a copy of any reference shall not be deemed as an admission that the listed or submitted reference is prior art for this application.

Respectfully submitted,

Edward Z. CAI, Ph.D.  
360-833-822 (Home) or 360-260-0807 (office)

**Certificate of Express Mailing**

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I hereby certify that this correspondence is deposited with the United States Postal service as Express mail with proper postage affixed in envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" on February 8, 2005.

Edward Z. Cai, Ph.D.

Sheet 1 of 4

FORM PTO-1449 (REV. 7-00)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. <b>CAI-0508200D1</b>	SERIAL NO. <b>10/691, 031</b>
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT <b>Edward Z. Cai</b>	
		FILING DATE <b>10/22/2003</b>	GROUP <b>1761</b>

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	2783704	12/15/51	Liebett			
	AB	3405630	10/15/68	Weber III			
	AC	4083295	04/11/78	Hollingsworth			
	AD	4158330	06/19/79	Vitous			
	AE	4287817	09/08/81	Maskowitz, et al.			
	AF	4431385	02/14/84	O'Hare			
	AG	4457217	07/03/84	Ogawa			
	AH	4479421	10/30/84	Sanvitale			
	AI	4565121	01/21/86	Ohya, et al.			
	AJ	4634838	01/06/87	Betz			
	AK	4644855	02/24/87	Borgmann			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (REV. 7-01)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. <b>CAI-0508200DI</b>	SERIAL NO. <b>10/691,031</b>
<b>LIST OF PRIOR ART CITED BY APPLICANT</b> (Use several sheets if necessary)		APPLICANT <b>Edward Z. Cai</b>	
		FILING DATE <b>10/22/2003</b>	GROUP <b>1761</b>

U.S. PATENT DOCUMENTS									
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
	AA	4 6 6 0 4 6 6	04/28/87	Fries et al.					
	AB	4 7 4 1 2 6 0	05/03/88	Boliver					
	AC	4 7 6 0 7 7 4	08/02/88	Lin					
	AD	4 8 0 0 8 0 5	01/31/89	Mahlich et al.					
	AE	4 8 5 2 4 7 4	08/01/89	Mahlich et al.					
	AF	4 8 8 2 9 8 2	11/28/89	Mutton;					
	AG	4 8 8 2 9 8 3	11/28/89	Pastrick					
	AH	4 9 6 0 0 4 2	10/02/90	Gross;					
	AI	5 0 2 7 6 9 6	07/02/91	Antonini					
	AJ	5 1 1 5 7 3 0	05/26/92	Gockelmann					
	AK	5 1 5 4 1 1 0	10/13/92	Chang					

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	5200221	04/06/92	Knepler			
AB	5267506	12/07/93	Cai			
AC	5330266	07/19/94	Stubauss			
AD	5367607	11/22/94	Hufnagel, et al.			
AE	5357848	10/25/94	Eugster, et al.			
AF	5531152	07/19/96	Gardosi			
AG	5638740	06/17/97	Cai			
AH	5662459	09/02/97	Newby			
AI	5738002	04/14/98	Marano-Ducarne			
AJ	5747782	05/05/98	Orrico, et al.			
AK	5768981	06/23/98	Cicchetti			

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	AA	5769135	06/23/98	Mahlich			
	AB	5800707	09/01/98	Mehnert			
	AC	5862740	01/26/99	Grossi			
	AD	5943472	08/1999	Charles et al.			
	AE	5992298	11/30/99	Illy, et al.			
	AF	6026733	02/24/00	Orrico, et al.			
	AG	6148717	11/2000	Lassota			
	AH	6261447	07/17/01	Van Herle, et al.			
	AI	6405637	06/18/02	Cai			
	AJ	6536379	03/25/03	Liu			
	AK						

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